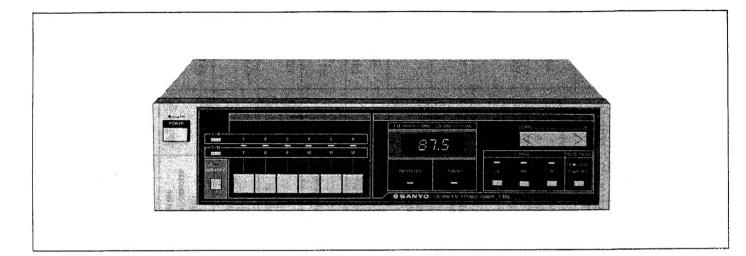
SERVICE MANUAL

AM/FM STEREO TUNER



(EUROPE)



SPECIFICATIONS

F	M	sec	ti	0	n

Frequency range 87.5 – 108 MHz (0.05 MHz steps)

Stereo separation (1 kHz) 45 dB IF rejection 65 dB

AM(LW/MW) section

Signal to noise ratio (5 mV/m) MW: 40 dB Selectivity MW: 30 dB

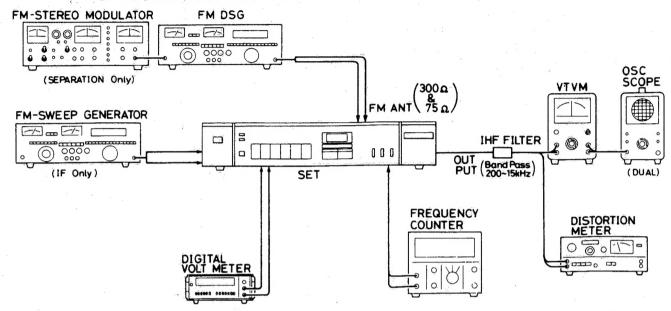
General

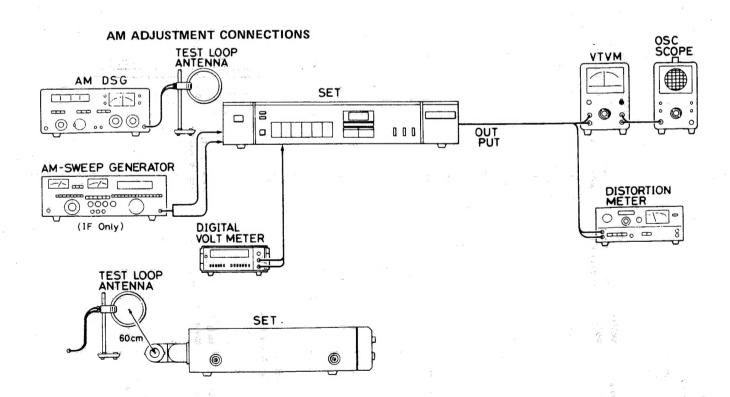
Power requirements AC 18 V, 50 Hz

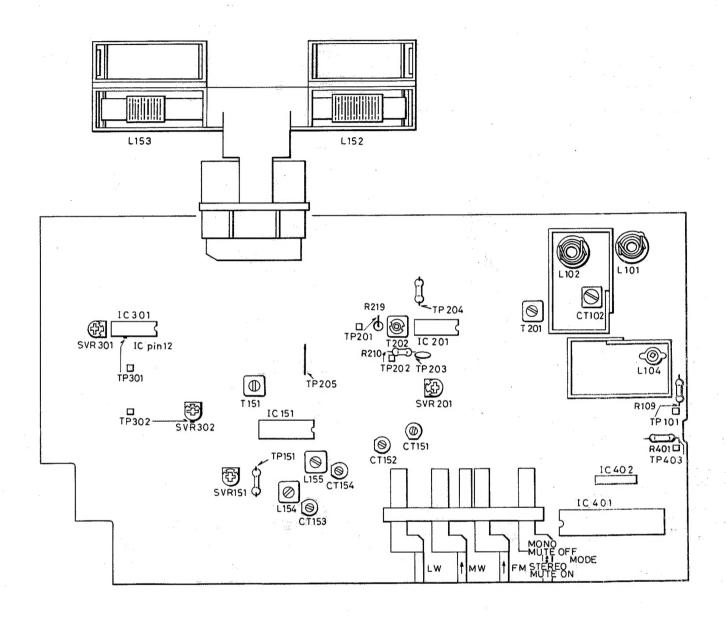
Weight (Approx.) 2.2 kg (5 lbs.)

- Specifications subject to change without notice.

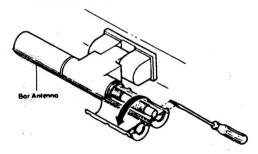
FM ADJUSTMENT CONNECTIONS

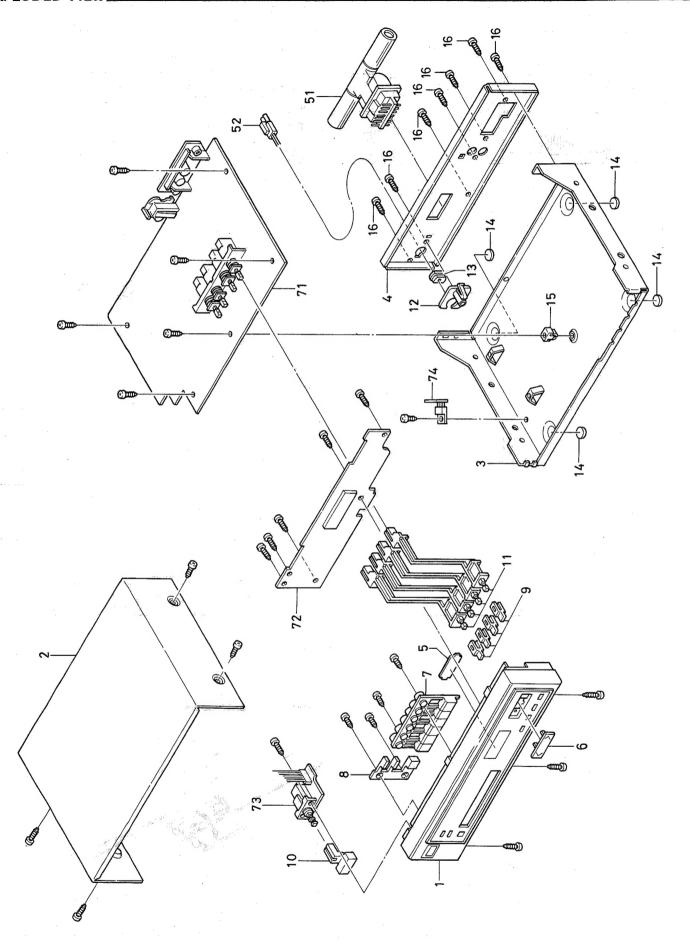






Removal of antenna cover





PRODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing. Components identified with the IEC symbol \bigwedge in the parts list and the schematic diagram designate components in which safety can be of special significance. When replacing a component identified with \bigwedge , use only the replacement parts designated, or parts with the same ratings of resistance, wattage or voltage that are designated in the parts list in this manual.

Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

ELECTRICAL PARTS

NOTE:

* Materials of Capacitors are abbreviated as follows;

Elect., Electrolytic Capacitor

NP. Elect., ... Non-Polarized Electrolytic Capacitor

Mylar ... Mylar Film Capacitor

Polypro ... Polypropylene Capacitor

M. Polypro ... Metallized Polypropylene Capacitor

TF ... Thin Film Capacitor

EDL..... Electric Double Layer Capacitor

* Tolerance of Capacitor, Resistors and Other parts are noted with follow symboles;

Α	+75-10%	M±20%
F	±1%	N±30%
G	±2%	P+100-0%
J	±5%	Z+80-20%
12	+1007	

PACKING & ACCESSORIES

Ref. No.	Parts No.	Description
or	141 6 133T 61601 141 6 144T 96300 141 6 144T 96400 141 6 235T 40501 141 6 235T 40506 141 6 231T 25350 141 6 415T 23500 141 6 415T 32301 141 6 409T 13401 4 243T 13378 4 245T 00700	INNER CORR CASE FOAM PLASTIC CASE, R FOAM PLASTIC CASE, L INNER POLYE LAMINA COVER, SET INNER POLYE LAMINA COVER, SET INNER POLYE COVER, ACCESSORY NOTICE, NORWAY NOTICE, NEW FTZ INST MANUAL LEAD CORD ANT, FM

CABINET & CHASSIS

Ref. No.	Parts No.	Description
1	141 0 122T 56201	FRONT PANEL ASSY
1-1	BJB2S++3+8+Z1	S T BIND H 3X8Z1
2	141 2 111T 61441	CABINET
2-1	BJB2S++3+8+N1	S T BIND H 3X8N1
3	141 2 125T 36500	BOTTOM LID
4	141 2 126T 51101	BACK LID
5	141 2 131T 46300	CLEAR WINDOW, DISPLAY
6	141 2 156T 34900	CUP KNOB, UP/DOWN
7	141 2 160T 47100	PUSH BUTTON, PRESET
7-1	BJN2S2R6+6+Z1	S T PAN H 2.6X6Z1
8	141 2 160T 47300	PUSH BUTTON, MEMORY
8-1	BJN2S2R6+6+Z1	S T PAN H 2.6X6Z1
9	141 2 160T 09701	PUSH BUTTON, BAND
10	141 2 160T 38900	PUSH BUTTON, POWER SW.
11	141 2 253T 40300	JOINT
12	141 2 210T 58100	BRACKET, AC CORD
13	141 2 464T 29700	FIXER, AC CORD
14	141 2 174T 13100	STAND
15	141 2 210T 08900	BRACKET, PCB STAND
16	141 2 421T 43901	SPECIAL SCREW
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	* **	

ELECTRICAL PARTS

Ref. No.	Parts No.	Description
51 52	4 257T 61700 4 236T 27500	ANT COIL, AM PLUG, AC 18V (P1)

TUNER MAIN P.C.B. ASSY

Ref. No.	Parts No.	Description
71	141 4 280T 49703	P.C BOARD ASSY, TUNER MAIN
	BJB2S++3+8+Z1	S T BIND H 3X8Z1
	141 2 322T 18900	SHIELD PLATE, FM PARTS SIDE
	141 2 322T 72100	SHIELD PLATE, FM SOLDER SIDE
	141 2 322T 72101	SHIELD PLATE, COVER
	141 2 382T 20200	TERMINAL, EXT-ANT. (JK1)
,	4 240T 50300	SOCKET, AF OUT (JK2)
	4 238T 82900	PUSH SWITCH, BAND (S1)
	4 237T 00100	TERMINAL BOARD, TEST PIN
CT102	4 224R 11600	TRIMMER 8PF, BK
CT151	4 224T 15400	TRIMMER 30PF, GR
or	4 224T 15471	TRIMMER 30PF, GR
CT152	4 224T 15500	
or	4 224T 15571	
CT153	4 224T 15400	
or	4 224T 15471	
CT154	4 224T 15500	
or	4 224T 15571	TRIMMER 11PF, WH
T151	4 256T 26449	IFT
T201	4 256T 35040	
T202	4 256T 33640	
T203	4 255T 05240	
L101	4 265T 56240	
L102	4 265T 56340	
L103	4 253T 15012	
L104	4 265T 57244	
L151	4 253T 15020	FILTER
L154	4 258T 49540	OSC COIL
L155	4 258T 44649	OSC COIL
L156	4 253T 15037	FILTER
L301	4 253T 15020	FILTER
L302	4 253T 15020	FILTER
L401	4 253T 15020	FILTER
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Led22	Ref. No.	Parts No.	Description	Ref. No.	Parts No.	Description
X151	L402	4 253T 15020	FILTER	C104	CC+50102KRYBF	CERAMIC 0.001 MF 50V K R YB
X2023	X151			C105	1	
A 256 1308			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
XM021						
SYR1513 4 2207 15182 SEMI VR, 100 OHM (8)						
SYR801 4 2207 15182 SEM VR, 22 00+0M (8) C114 CC550380FCRF CERAMIC 2PF 50V G P CK				1		
SYRB02 4 220T 1512; SEMI VR, 226 OHM (B) 115 CC+50100ROHP CERAMIC 19PF SV D R OH						
CNS 4 240T 38375 SOCKET SP C118 C119 C120 C120 C130 C1313 C132 C132 C132 C132 C132 C132 C132 C132 C132 C133 C133 C133 C133 C133 C133 C133 C133 C133 C134 C233 C334		4 220T 15178		C115		CERAMIC 10PF 50V D R CH
CNS						The state of the s
CN7						The street of th
CN9				1 1		
CN91	ł			1 1	The state of the s	The state of the s
CN15	41 4 4	l .	1			
C151	CN11		SOCKET 4P	C122		
ICLS SILA 24 S + +++	1.000		A CANADA		I was a second of the second was a second wa	
IC201 SILA1232+++++					1	
ICADI SIBA1332+++++ IC CT09147P DIP42 C155 C155 C103331 LR++F P P CON 310PF 100V J R						
ICAQU			1 2 2 4 42			
IC402 SITD6104P++++ FET ZSK212 F C157 CC+50330JUS CERAMIC 20PF 50V J D UJ						
0101 SF2K212+H+F+F FET ZSK212 F C158 CC+50132NFS CERAMIC 0.3PF 50V J D VK 0103 SF2K212+H+F+F FET ZSK212 F C158 CC+50132NFS CERAMIC 0.3PF 50V J D VK 0104 SF0304-H+V-H TR 2SC2999 E T C160 CB+25232NFH+F C160 CB+2523NFH+F C160 CB+2523NFH+F C161 CB+2523NFH+F C161 CB+2523NFH+F C162 CB+2543NFH+F C163 CB+2543NFH+F C163 CB+2543NFH+F C164 CB+2543NFH+F C165 CB+2543NFH+F C1						CERAMIC 20PF 50V J D UJ
0.103 SF2K212++++++ FET ZSK212 F C159 C8+25473MR+++ C150 C8 CON 0.027MF 25V M R C151 STC3916++++++ TR 2SC399 E C0NV SP C161 C8+25223MR+++ C152 C8 CON 0.027MF 25V M R C152 STC356-6++++UB TR 2SC356 G AUD B SP C162 C8+25473MR+++ C162 C8+25473MR+++ C162 C8+25473MR+++ C163 C8+25473MR+++ C164 C8+25473MR+++ C165 C8+25473MR+++ C165 C8+25473MR+++ C166 C8+25473MR+++ C167 C8+25473MR+++ C167 C8+25473MR+++ C168 C8+25473MR+++ C168 C8+25473MR+++ C169 C8+25473MR+++ C169 C8+25473MR+++ C169 C8+25473MR+++ C169 C8+25473MR+++ C169 C8+25473MR+++ C169 C8+25473MR+++ C170 C170 C169 C170 C170 C169 C170 C169 C170 C170 C169 C170 C170 C169 C170		SF2K212+++F++				
\$\frac{1}{2}\frac{1}{4} \$\frac{1}{2}\frac{1}{2}\frac{1}{4} \$\frac{1}{2}						
O151			A Tier of a sea of the		1	T T T T T T T T T T T T T T T T T T T
O152 STC536+G++UB TR 25C536 G AUD B SP C163 C68+25473MR++F BC CON 0.02MF 25V M R C202 STC536+G++UB TR 25C536 G AUD B SP C164 C68+25103MR++F BC CON 0.02MF 25V M R C202 STC536+G++UB TR 25C536 G AUD B SP C165 C68+25473MR++F BC CON 0.02MF 25V M R C203 STC536+G++UB TR 25C536 G AUD B SP C166 C68+25473MR++F BC CON 0.047MF 25V M R C203 STC5356+G++UB TR 25C536 G AUD B SP C166 C68+25473MR++F BC CON 0.047MF 25V M R C203 STC5356+G++UB TR 25C536 G AUD B SP C167 C68+25473MR++F BC CON 0.047MF 25V M R C203 STC5356+G++UB TR 25C336 G AUD B SP C168 C68+25473MR++F BC CON 0.047MF 25V M R C203 STC5356+G++UB TR 25C336 G AUD B SP C169 C68+25473MR++F BC CON 0.047MF 25V M R C203 STC5356+G++UB TR 25C336 G AUD B SP C169 C68+25473MR++F BC CON 0.047MF 25V M R C203 STC5356+G++UB TR 25C336 G AUD B SP C171 C170 C68+16107MR++F ELECT 4.7MF 25V M R C203 STC5356+G++UB TR 25C336 G AUD B SP C171 C68+25103MR++F BC CON 0.047MF 25V M R C402 STC5356+G++UB TR 25C336 G AUD B SP C172 C750102KR95F C764MC 0.001MF 50V K R VB C403 STC5356+G++UB TR 25C336 G AUD B SP C173 C7650102KR95F ELECT 1.0MF 50V K R C403 STC5356+G++UB TR 25C336 G AUD B SP C175 C7650102KR95F ELECT 1.0MF 50V K R C764MC 4.0001MF 50V K						
O152						
O201 STC9330+E++F+F TR 2SC930 E IF SP C166 C8+25193MR+F E BC CON 0.01 MF 25V M R C9203 STC5356+G++UB TR 2SC536 G AUD B SP C166 C8+25475MR+F E BC CON 0.047MF 25V M R C9203 STC5356+G++UB TR 2SC536 G AUD B SP C168 C8+25475MR+F E BC CON 0.047MF 25V M R C9203 STC5356+G++UB TR 2SC536 G AUD B SP C168 C8+25473MR+F E BC CON 0.047MF 25V M R C9203 STC5356+G++UB TR 2SC536 G AUD B SP C169 C8+25473MR+F E BC CON 0.047MF 25V M R C9203 STC3330U+++T TR 2SC3330 U T C170 C8+15107MR+F E BC CON 0.047MF 25V M R C9203 STC3350+H++T TR 2SC3330 U T C170 C8+15107MR+F E BC CON 0.047MF 25V M R C9203 STC3356+G++UB TR 2SC536 G AUD B SP C175 C8+25107MR+F E BC CON 0.047MF 25V M R C9203 STC3356+G++UB TR 2SC536 G AUD B SP C175 C8+25107MR+F E BECT 1.00MF 16V M R C9203 STC336+G++UB TR 2SC536 G AUD B SP C175 C8+25107MR+F E BECT 1.00MF 16V M R C8+25107MR+F E BECT 1.00MF 16V M	- 1					
Q301 STC336+G++UB TR 25C356 AUD B SP C166 CE-25475MR+F ELECT 4.7MF 25V M R				1	CB+25103MR++F	BC CON 0.01MF 25V M R
O301 STC\$36+G+++UB TR 25C536 AUD B SP C167 CE=25475MR+F ELECT 4.7MF 25V M R						
0302 STC536+6++++++++ TR 2SC336 G AUD B SP C168 C8+25473MR+++ BC CON 0.047MF 25V M R C3034 STC3330U+++++ TR 2SC3330 U T C170 C8+25103MAXPH C25316+C8+++++++ C352 STC633+C8++++++ TR 2SC636 G AUD B SP C171 C8+25103MAXPH C25316+C8++++++ C403 STC536+C8++++++ TR 2SC536 G AUD B SP C173 C8+25103MXPH+ C253103MXPH+ C25316+C8++++++ C403 STC536+C8++++++ TR 2SC536 G AUD B SP C174 C8+25103MXPH+ C8+50105MR++F						
Q303 STC3330U++++T TR 2SC3330 U T C169 C8+25473MR+FF ELECT 10MF 16V M R Q352 STC3356H+HUB TR 2SC336 G AUD B SP C172 CC+50102KRYBE SF2K222+++D++ FET 2SK222 D C173 CB+25103MR+FF ELECT 10MF 16V M R Q401 SF2K222+++D++ FET 2SK222 D C173 CB+25103MR+FF ELECT 10MF 16V M R Q402 STC1571F+H++ FET 2SK222 D C173 CB+25103MR+FF ELECT 10MF 16V M R Q902 STC356+G+HUB TR 2SC536 G AUD B SP C175 CC+50102KRYBE CERAMIC 0.001MF 50V K R YB Q902 STC536+G+H-HUB TR 2SC536 G AUD B SP C175 CC+50475MR+FF ELECT 14MF 50V M R ELECT 14MF 50V M R Q902 STC536+G+H-HUB TR 2SC536 G AUD B SP C175 CC+50475MR+FF ELECT 14MF 50V M R Q903 STC536+G+H-HUB TR 2SC536 G AUD B SP C178 CB+25223MR+FF BC CON 0.02MF 25V M R C1900 SCSVC211B+H+1 VARACTOR DIODE SVC211B SP C180 CC+505650KRSLF C180 CC+505650KRSLF C180 CC+50650KRSLF C180 CC+50650KRSLF C180 CC+50650KRSLF C6KAMIC 56PF 50V K R VS C201 CC+50103ZRYFF C6KAMIC 63PF 50V J R CH F C8KAMIC 50PF 50V K R VS C201 CC+50103ZRYFF C6KAMIC 63PF 50V J R CH F C8KAMIC 63PF	Q301					
STC33330U+++++ TR 2SC3330 U T C170 CE+16107MRH+F ELECT 100MF 16V M R	0302					
STA608+F++++++ B						
STC536+G+H-HUB			and the same of th	4		
Q402 STC1571F+++++		STC536+G+++UB	TR 2SC536 G AUD B SP	C172	CC+50102KRYBF	CERAMIC 0.001 MF 50V K R YB
Q901 STC536+G+++UB STC536+G++UB STC3536+G+UB STC2536+G+UB STC2536+G+UB STC2536+G+UB STC2536+G++UB STC536+G++UB STC536+G+UB STC536						
Q901 STC536+G+++UB TR 2SC536 G AUD B SP C178 CC+501471KAYB+ CERAMIC 470PF 50V K A YB		and the same of th				
Q902 STC536+G+++UB TR 2SC536 G AUD B SP C178 CB+25223MR++F BC CON 0.022MF 25V M R						
STOC336+G+++UT					4	
Di01 SCSVC211B+++1						
D103		SCSVC211B+++1	VARACTOR DIODE SVC211B SP	C180	CC+50560KRSLF	CERAMIC 56PF 50V K R SL
D104 SDDS442+X+++T D10DE DS442 X VARACTOR DIODE KV1236 Z2 C203 CC+50103ZRYFF CERAMIC 0.02MF 50V Z R YF						
D151					t e	
D153 SDD\$442+X+++T DIDE D\$442 X C204 CC+50223ZRYFF CERAMIC 0.022MF 50V Z R YF D154 SDD\$442+X+++T DIODE D\$442 X C205 CC+50101kRSLF D201 SDD\$442+X+++T DIODE D\$442 X C206 CC+50101kRSLF D201 SDD\$442+X+++T DIODE D\$442 X C207 CE+16106MR++F D301 SDD\$442+X+++T DIODE D\$442 X C208 CC+50103ZRYFF D402 SDD\$442+X+++T DIODE D\$442 X C209 CC+50103ZRYFF D403 SDD\$442+X+++T DIODE D\$442 X C210 CC+50123ZRYFF D404 SDD\$442+X+++T DIODE D\$442 X C211 CE+16107MR++F D403 SDD\$442+X+++T DIODE D\$442 X C211 CE+16107MR++F D404 SDD\$442+X+++T DIODE D\$442 X C212 CC+50223ZRYFF D405 SDD\$442+X+++T DIODE D\$442 X C213 CC+50102KRYBF D406 SDD\$442+X+++T DIODE D\$442 X C214 CE+16106MR++F D407 SDD\$442+X+++T DIODE D\$442 X C214 CE+16106MR++F D406 SDD\$442+X+++T DIODE D\$442 X C214 CE+16106MR++F D407 SDD\$442+X+++T DIODE D\$442 X C214 CE+16106MR++F D408 SDD\$442+X+++T DIODE D\$442 X C216 CE+50105MR++F D409 A SDD\$F10+B+++T DIODE D\$442 X C217 CC+5023ZRYFF D409 A SDD\$F10+B+++T DIODE D\$510 B T C218 CC+50123ZRYFF CERAMIC 0.022MF 50V Z R YF D901 A SDD\$F10+B+++T DIODE D\$510 B T C301 CE+16106MR++F D903 A SDD\$F10+B+++T DIODE D\$510 B T C301 CE+16106MR++F D904 A SDD\$F10+B+++T DIODE D\$F10 B T C301 CE+16106MR++F D905 SDD\$135+D++L DIODE D\$F10 B T C301 CE+16106MR++F D906 SDD\$442+X+++T DIODE D\$F10 B T C301 CE+16106MR++F D907 SDD\$442+X+++T DIODE D\$F10 B T C301 CE+16106MR++F D908 SDD\$442+X+++T DIODE D\$F10 B T C301 CE+16106MR++F D909 SDD\$442+X+++T DIODE D\$F10 B T C301 CE+16106MR++F D906 SDD\$442+X+++T DIODE D\$F10 B T C301 CE+16106MR++F D907 SDD\$442+X+++T DIODE D\$F10 B T C301 CE+16106MR++F D908 SDD\$442+X+++T DIODE D\$F10 B T C301 CE+16106MR++F D909 SDD\$442+X++T DIODE D\$F10 B T C301 CE+16106MR++F D909 SDD\$442+X++T DIODE D\$F10 B T C301 CE+16106MR++F D909 SDD\$442+X++T DIODE D\$F		and the second s		1		
D154 SDD\$442+X+++T DIODE D\$442 X C205 CC+50223ZRYFF CERAMIC 0.022MF 50V Z R YF						
D155	1					
D301 SDDS442+X+++T D10DE DS442 X C208 C2+5475MR++F C209 C2+50103ZRYFF C209MIC 0.01MF 50V Z R YF				C206		
D354				1 1		
D401 SDD\$442+X+++T D10DE D\$442 X C210 CC+50223ZRYFF CERAMIC 0.022MF 50V Z R YF D402 SDD\$442+X+++T D10DE D\$442 X C211 CC+50223ZRYFF CERAMIC 0.022MF 50V Z R YF D403 SDD\$442+X+++T D10DE D\$442 X C212 CC+50102KRYBF CERAMIC 0.021MF 50V Z R YF D404 SDD\$442+X+++T D10DE D\$442 X C213 CC+50102KRYBF CERAMIC 0.001 MF 50V K R YB D405 SDD\$442+X+++T D10DE D\$442 X C214 CE+16106MR++F ELECT 10MF 16V M R D407 SDD\$442+X+++T D10DE D\$442 X C217 CC+50105MR++F D407 SDD\$442+X+++T D10DE D\$442 X C217 CC+50105MR++F D407 SDD\$442+X+++T D10DE D\$F10 B T C218 CC+50123ZRYFF CERAMIC 0.022MF 50V Z R YF D401 A SDD\$F10+B+++T D10DE D\$F10 B T C220 CE+50474MR++F D402 A SDD\$F10+B+++T D10DE D\$F10 B T C220 CE+50474MR++F D404 A SDD\$F10+B+++T D10DE D\$F10 B T C301 CE+16106MR++F D404 A SDD\$F10+B+++T D10DE D\$F10 B T C303 CE+16107MR++F ELECT 10MF 16V M R D404 A SDD\$F10+B+++T D10DE D\$F10 B T C303 CE+16107MR++F ELECT 10MF 16V M R D404 A SDD\$F10+B+++T D10DE D\$F10 B T C303 CE+16107MR++F ELECT 10MF 16V M R D404 A SDD\$F10+B+++T D10DE D\$F10 B T C303 CE+16107MR++F ELECT 10MF 16V M R D404 A SDD\$F10+B+++T D10DE D\$F10 B T C303 CE+16107MR++F ELECT 10MF 16V M R D404 A SDD\$F10+B+++T D10DE D\$F10 B T C303 CE+16107MR++F ELECT 10MF 16V M R D404 A SDD\$F10+B+++T D10DE D\$F10 B T C303 CE+16107MR++F ELECT 10MF 16V M R D404 A SDD\$F10+B+++T D10DE D\$F10 B T C304 CB+25103MR++F BC CON 0.01MF 25V M R D404 A SDD\$F10+B+++T D10DE D\$F10 B T C304 CB+25103MR++F BC CON 0.02MF 25V M R D404 A SDD\$F10+B+++T D10DE D\$F10 B T C304 CB+25103MR++F BC CON 0.02MF 25V M R D404 A SDD\$F10+B+++T D10DE D\$F10 B T C305 CB+25103MR++F BC CON 0.02MF 25V M R D404 A SDD\$F10+B+++T D10DE D\$F10 B T C306 CB+25103MR++F BC CON 0.02MF 25V M R C306 CB+25103MR++F BC CON 0.02MF 25V M R C4+50101KRSLF CERAMIC 100PF 50V K R SL C309 CE+50105MR++F ELECT 1MF 50V M R ELE			A CONTRACTOR OF THE STATE OF TH		21 /11 /	
D402 SDD\$442+X+++T DIODE D\$442 X C211 CE+16107MR++F CERAMIC 0.022MF 50V Z R YF		- THE CO. L. P. LEWIS CO. L. P. L.		1 1		
D403				1 1		
D404		The state of the s	The state of the control of the cont		7.7	
D405 SDDS442+X+++T DIODE DS442 X C214 CE+16106MR++F ELECT 10MF 16V M R D406 SDDS442+X+++T DIODE DS442 X C216 CE+50105MR++F ELECT 1MF 50V M R D407 SDDS442+X+++T DIODE DS442 X C217 CC+50223ZRYFF CERAMIC 0.022MF 50V Z R YF D901 ⚠ SDDSF10+B+++T DIODE DSF10 B T C220 CE+50474MR++F ELECT 10MF 16V M R D903 ⚠ SDDSF10+B+++T DIODE DSF10 B T C301 CE+16106MR++F ELECT 10MF 16V M R D904 ⚠ SDDSF10+B+++T DIODE DSF10 B T C303 CE+16107MR++F ELECT 10MF 16V M R D905 SDDS135+D+++L DIODE DSF10 B T C303 CE+16107MR++F ELECT 10MF 16V M R D906 SDDS442+X+++T DIODE DSF10 B T C304 CB+25103MR++F BC CON 0.01MF 25V M R D907 SDDS442+X+++T DIODE DS442 X C305 CB+25103MR++F BC CON 0.02MF 25V M R C101 CC+50101CRSLF CERAMIC 100PF 50V K R SL C308 CN100102JR++F P P CON 1000PF 100V J R C103 CC+50101KRSLF CERA						
D407 SDDS442+X+++T DIODE DS442 X C217 CC+50223ZRYFF CERAMIC 0.022MF 50V Z R YF D901 ♠ SDDSF10+B+++T DIODE DSF10 B T C218 CC+50223ZRYFF CERAMIC 0.022MF 50V Z R YF D902 ♠ SDDSF10+B+++T DIODE DSF10 B T C220 CE+50474MR++F ELECT 0.47MF 50V M R D903 ♠ SDDSF10+B+++T DIODE DSF10 B T C301 CE+16106MR++F ELECT 10MF 16V M R D904 ♠ SDDS135+D+++L DIODE DSF10 B T C303 CE+16107MR++F ELECT 10MF 16V M R D906 SDDS135+D+++L DIODE DS135 D L C304 CB+25103MR++F BC CON 0.01MF 25V M R D907 SDDS442+X+++T DIODE DS442 X C305 CB+25103MR++F BC CON 0.01MF 25V M R C101 CC+50101CRSLF CERAMIC 1PF 50V C R SL C308 CN100102JR++F BC CON 0.022MF 25V M R C102 CC+50101KRSLF CERAMIC 100PF 50V K R SL C309 CE+50474MR++F ELECT 1MF 50V M R C103 CC+50101KRSLF CERAMIC 100PF 50V K R SL C310 CE+50105MR++F ELECT 1MF 50V M R	D405	SDDS442+X+++T		C214	CE+16106MR++F	ELECT 10MF 16V M R
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D904	1					AND THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO I
D905 SDDS135+D+++L DIODE DS135 D L C304 CB+25103MR++F BC CON 0.01 MF 25V M R C305 CB+25103MR++F BC CON 0.01 MF 25V M R C305 CB+25103MR++F BC CON 0.01 MF 25V M R C305 CB+25223MR++F BC CON 0.02 MF 25V M R C306 CB+25223MR++F BC CON 0.02 MF 25V M R C306 CB+25223MR++F BC CON 0.02 MF 25V M R C306 CB+25223MR++F BC CON 0.02 MF 25V M R C306 CB+25223MR++F BC CON 0.02 MF 25V M R C306 CB+25223MR++F BC CON 0.02 MF 25V M R C306 CB+25223MR++F BC CON 0.02 MF 25V M R C306 CB+25223MR++F P P CON 1000 PF 100V J R C309 CE+50101 KRSLF CERAMIC 100 PF 50V K R SL C309 CE+50474MR++F ELECT 1 MF 50V M R C306 CB+50105MR++F ELECT 1 MF 50V M R C307 CB+50105MR++F ELECT 1 MF 50V M R C308 CB+50105MR++F						
D907 SDDS442+X+++T DIODE DS442 X C306 CB+25223MR++F BC CON 0.022MF 25V M R			A 1 1 A 11 M 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1		The state of the s
C101				1 .		
C102						
C103				1 1		
		and the second s				1
I DELIGITATION OF THE CONTRACT	5130	J. J. J. J. J. H. H. J. L. H. H. J. L. H.		C311	CE+50105MR++F	ELECT 1MF 50V M R

RC/+4273JT++R | CARBON T 27K OHM J 1/4W

Ref. No.	Parts No.	Description
R165	RC/+4562JT++R	CARBON T 5.6K OHM J 1/4W
R166	RC/+4102JT++R	CARBON T 1K OHM J 1/4W
R167	RC/+4103JT++R	CARBON T 10K OHM J 1/4W
R168	RC/+4122JT++R	CARBON T 1.2K OHM J 1/4W
	RF/+2121JSFP+	FP-CARBON S 120 OHM J 1/2W
R169		CARBON T 820 OHM J 1/4W
R170	RC/+4821JT++R	
R171	RC/+4333JT++R	CARBON T 33K OHM J 1/4W
R172	RC/+4103JT++R	CARBON T 10K OHM J 1/4W
R201	RC/+4561JT++R	CARBON T 330 OHM J 1/4W
R202	RC/+4102JT++R	CARBON T 1K OHM J 1/4W
R203	RC/+4334JT++R	CARBON T 330K OHM J 1/4W
R204	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R205	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R206	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R207	RC/+4563JT++R	CARBON T 56K OHM J 1/4W
		CARBON T 56K OHM J 1/4W
R208	RC/+4563JT++R	
R209	RC/+4153JT++R	CARBON T 15K OHM J 1/4W
R210	RC/+4103JT++R	CARBON T 10K OHM J 1/4W
R211	RC/+4333JT++R	CARBON T 33K OHM J 1/4W
R212	RC/+4273JT++R	CARBON T 27K OHM J 1/4W
R213	RF/+2121JSFP+	FP-CARBON S 120 OHM J 1/2W
R214	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R215	RC/+4103JT++R	CARBON T 10K OHM J 1/4W
	RC/+4103JT++R	CARBON T 10K OHM J 1/4W
R216		CARBON T 100K OHM J 1/4W
R217	RC/+4104JT++R	
R218	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R219	RC/+4124JT++R	CARBON T 120K OHM J 1/4W
R220	RF/+2121JSFP+	FP-CARBON S 120 OHM J 1/2W
R221	RC/+4563JT++R	CARBON T 56K OHM J 1/4W
R301	RF/+2121JSFP+	FP-CARBON S 120 OHM J 1/2W
R302	RC/+4472JT++R	CARBON T 4.7K OHM J 1/4W
R303	RC/+4472JT++R	CARBON T 4.7K OHM J 1/4W
R304	RC/+4223JT++R	CARBON T 22K OHM J 1/4W
		CARBON T 8.2K OHM J 1/4W
R305	RC/+4822JT++R	
R306	RC/+4102JT++R	CARBON T 1K OHM J 1/4W
R307	RC/+4564JT++R	CARBON T 560K OHM J 1/4W
R308	RC/+4822JT++R	CARBON T 8.2K OHM J 1/4W
R309	RC/+4822JT++R	CARBON T 8.2K OHM J 1/4W
R310	RC/+4822JT++R	CARBON T 8.2K OHM J 1/4W
R311	RC/+4822JT++R	CARBON T 8.2K OHM J 1/4W
R312	RC/+4564JT++R	CARBON T 560K OHM J 1/4W
R313	RC/+4564JT++R	CARBON T 560K OHM J 1/4W
R314	RC/+4222JT++R	CARBON T 2.2K OHM J 1/4W
R315	RC/+4222JT++R	CARBON T 2.2K OHM J 1/4W
	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R316	100	
R317	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R318	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R319	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R320	RC/+4332JT++R	CARBON T 3.3K OHM J 1/4W
R321	RC/+4332JT++R	CARBON T 3.3K OHM J 1/4W
R351	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R352	RC/+4101JT++R	CARBON T 100 OHM J 1/4W
R353	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R354	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R355	RC/+4271JT++R	CARBON T 270 OHM J 1/4W
R356	20 70 3 17 3 7 7 9	
R401	RC/+4472JT++R	CARBON T 4.7K OHM J 1/4W
R402	RC/+4822JT++R	CARBON T 8.2K OHM J 1/4W
R403	RC/+4472JT++R	CARBON T 4.7K OHM J 1/4W
R404	RC/+4822JT++R	CARBON T 8.2K OHM J 1/4W
R405	RC/+4472JT++R	CARBON T 4.7K OHM J 1/4W
R406	RC/+4822JT++R	CARBON T 8.2K OHM J 1/4W
R407	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
1 47	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R408	The second second second	CARBON T 100K OHM J 1/4W
R409	RC/+4104JT++R	
R410	RC/+4563JT++R	CARBON T 56K OHM J 1/4W
R411	RC/+4563JT++R	CARBON T 56K OHM J 1/4W
R412	RC/+4153JT++R	
R413	RC/+4332JT++R	CARBON T 3.3K OHM J 1/4W
R414	RC/+4101JT++R	
R415	RC/+4102JT++R	The state of the s
1		I wind at the beating and built in a con-
R416	RC/+4473JT++R	d a second
		LIASELINI I INK DEMI I 174W
R417 R425	RC/+4153JT++R RC/+4222JT++R	

PARTS LIST _____

Ref. No.	Parts No.	Description
R426	RC/+4222JT++R	CARBON T 2.2K OHM J 1/4W
R427	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R428	RC/+4273JT++R	CARBON T 27K OHM J 1/4W
R429	RC/+4102JT++R	CARBON T 1K OHM J 1/4W
R430	RC/+4122JT++R	CARBON T 1.2K OHM J 1/4W
R431	RF/+2121JSFP+	FP-CARBON S 120 OHM J 1/2W
R432	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R433	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R902	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R903	RC/+4103JT++R	CARBON T 10K OHM J 1/4W
R904	RC/+4103JT++R	CARBON T 10K OHM J 1/4W
R905	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R907	RC/+4563JT++R	CARBON T 56K OHM J 1/4W
R908	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R909	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R910	RC/+4102JT++R	CARBON T 1K OHM J 1/4W
R911	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R912	RC/+4332JT++R	CARBON T 3.3K OHM J 1/4W
R913	RC/+4104JT++R	CARBON T 100K OHM J 1/4W
R914	RM++1820JS+++	METAL S 82 OHM J 1W
R915	RC/+4562JT++R	CARBON T 5.6K OHM J 1/4W

DISPLAY	DCD	ACCV

Ref. No.	Parts No.	Description
72	141 4 280T 49872	P.C BOARD ASSY, DISPLAY
	BJB2S++3+8+Z1	S T BIND H 3X8Z1
	141 2 210T 58000	BRACKET
	141 2 382T 22200	TERMINAL
	141 2 382T 22300	TERMINAL
	4 238T 70873	SWITCH (S4)
	4 238T 70873	SWITCH (S5)
	4 238T 70873	SWITCH (S6)
	4 238T 70873	SWITCH (S7)
	4 238T 69800	SWITCH (S8)
	4 238T 69800	SWITCH (S9)
	4 238T 69800	SWITCH (S10)
	4 238T 69800	SWITCH (S11)
	4 238T 70873	SWITCH (S12)
	4 238T 69800	SWITCH (S13)
	4 238T 69800	SWITCH (S14)
CN4	4 240T 83575	SOCKET 5P
CN4	4 240T 83575	SOCKET 5P
CN8	4 240T 83576	SOCKET, 6P
CN10	4 240T 83576	SOCKET, 6P
CN10 CN12	4 240T 83570 4 240T 83572	SOCKET, OF
IC451	SITD6301AP+++	IC TD6301AP DIP28
0451	STC536+G+++UB	TR 2SC536 G AUD B SP
0452	STC536+G+++UB	TR 2SC536 G AUD B SP
0453	STC536+G+++UB	TR 2SC536 G AUD B SP
D451	SLSLP138CB5RE	LED SLP138C-51 B RE
D451 D452	SLSLP138CB5RE	LED SLP138C-51 B RE
D452	SLSLP138CB5RE	LED SLP138C-51 B RE
D453 D454	SLSLP138CB5RE	LED SLP138C-51 B RE
D454 D455	SLSLP138CB5RE	LED SLP138C-51 B RE
	SLSP236BB51GR	LED SLP236B-51 B GR
D456	SLSP236BB51GR	LED SLP236B-51 B GR
D457	SLSLP138CB5RE	LED SLP138C-51 B RE
D458	SLSLP138CB5RE	LED SLP138C-51 B RE
D459		LED SLP138C-51 B RE
D460	SLSLP138CB5RE	1 2
D461	SLSLP138CB5RE	LED SLP138C-51 B RE LED SLP138C-51 B RE
D462	SLSLP138CB5RE	
D463	SLSLP138CB5RE	LED SLP138C-51 B RE
D464	SLSLP138CB5RE	LED SLP138C-51 B RE
D470	SLSL2529K++GR	LED SL2529K GR (LED DISPLAY)
C451	CC+50101JASL+	
C452	CC+50101JASL+	
C453	CC+50101JASL+	CERAMIC 100PF 50V J A SL

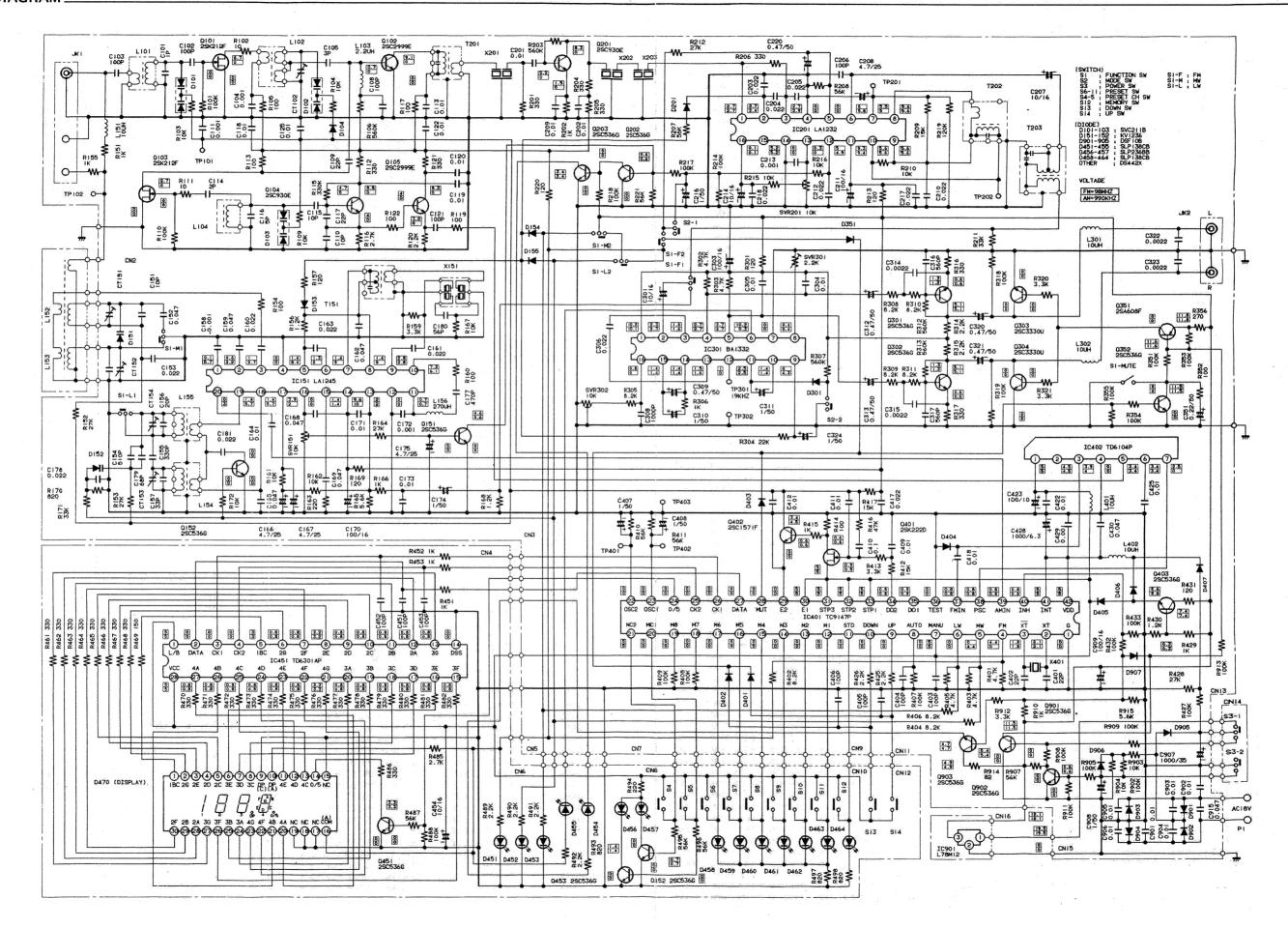
Ref. No.	Parts No.	Description
C454	CE+16106MY++S	ELECT 10MF 16V M Y
R451	RC/+4102JT++R	CARBON T 1K OHM J 1/4W
R452	RC/+4102JT++R	CARBON T 1K OHM J 1/4W
R453	RC/+4102JT++R	CARBON T 1K OHM J 1/4W
R461	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R462	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R463	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R464	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R465	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R466	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R467	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R468	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R469	RC/+4151JT++R	CARBON T 150 OHM J 1/4W
R470	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R471	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R472	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R473	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R474	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R475	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R476	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R477	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R478	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R479	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R480	RC/+4331JT++R	CARBON T 330 OHM J 1/4W CARBON T 330 OHM J 1/4W
R481	RC/+4331JT++R	CARBON 1 330 OHM J 1/4W CARBON T 330 OHM J 1/4W
R482	RC/+4331JT++R	CARBON T 330 OHM J 1/4W
R485	RC/+4272JT++R	CARBON T 330 OHM J 1/4W
R486	RC/+4331JT++R	CARBON T 56K OHM J 1/4W
R487	RC/+4563JT++R	CARBON T 100K OHM J 1/4W
R488	RC/+4104JT++R RC/+4222JT++R	CARBON T 2.2K OHM J 1/4W
R489	RC/+4222JT++R RC/+4222JT++R	CARBON T 2.2K OHM J 1/4W
R490	RC/+4222JT++R	CARBON T 2.2K OHM J 1/4W
R491 R492	RC/+4222JT++R RC/+4222JT++R	CARBON T 2.2K OHM J 1/4W
R492 R493	RC/+4821JT++R	CARBON T 820 OHM J 1/4W
R493	RC/+4021JT++R	CARBON T 220 OHM J 1/4W
R494	RC/+4563JT++R	CARBON T 56K OHM J 1/4W
R495	RC/+4563JT++R	CARBON T 56K OHM J 1/4W
R490	RC/+4821JT++R	CARBON T 820 OHM J 1/4W
R498	RC/+4821JT++R	CARBON T 820 OHM J 1/4W
1.430		

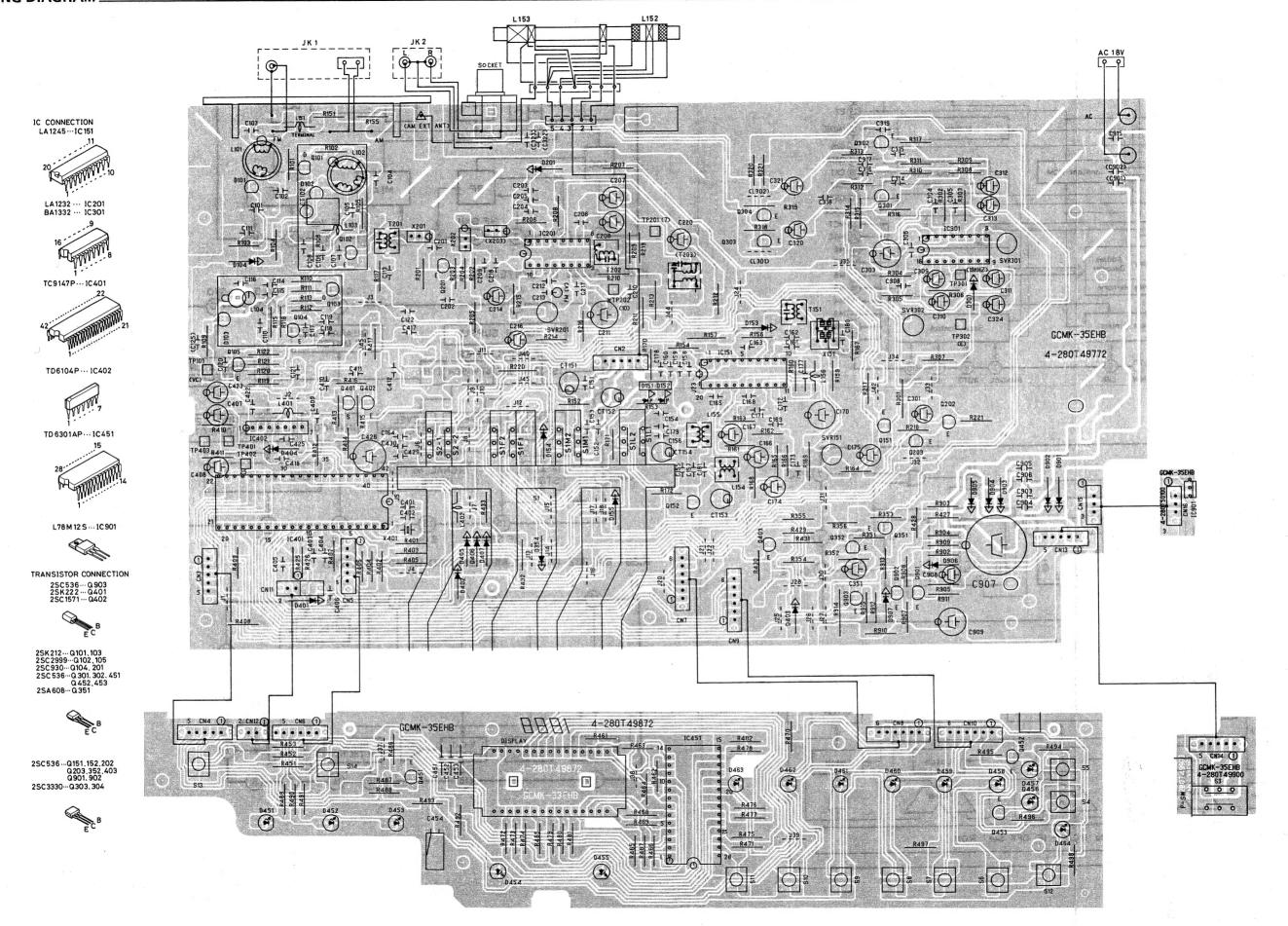
POWER SW. P.C.B. ASSY

Ref. No.	Parts No.	Description
73 CN14	141 4 280T 49900 BJB2S++3+8+Z1 ⚠ 4 238T 83100 4 240T 83575	P.C BOARD ASSY, POWER SW S T BI ND H 3X8Z1 PUSH SWITCH, POWER (S3) SOCKET 5P

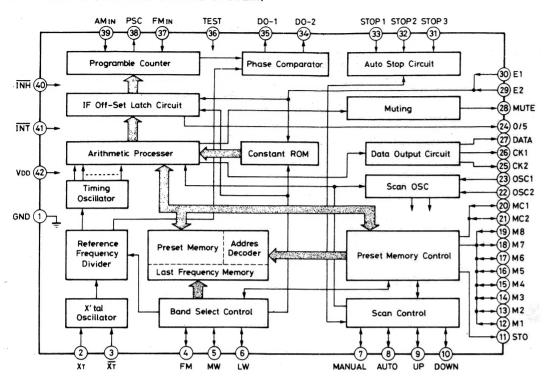
IC P.C.B. ASSY

Ref. No.	Parts No.	Description
74 CN16 IC901	141 4 280T 50100 BJB2S++3+4+Z1 4 240T 83573 SIL78M12S++++	P.C BOARD ASSY, IC S T BI IND H 3X4Z1 SOCKET, 3P IC L78M12S TO-220AB

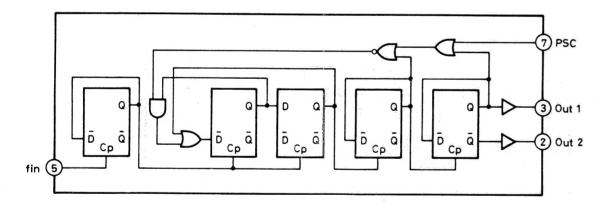




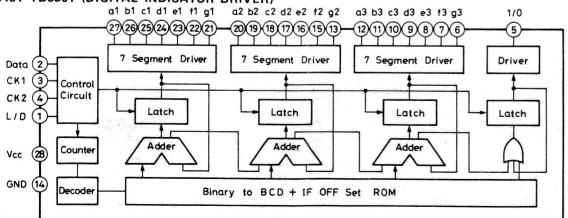
IC401 TC9147 (DIGITAL TUNING SYSTEM)



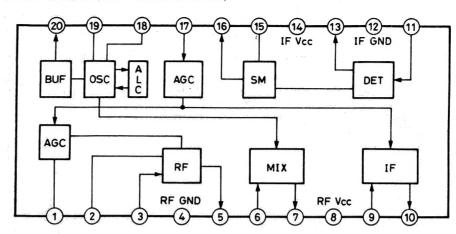
IC402 TD6104 (FM PRE-SCALER)



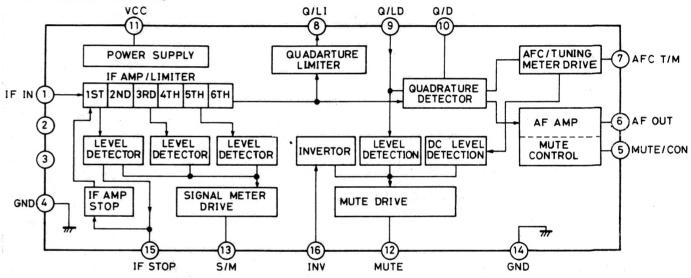
IC451 TD6301 (DIGITAL INDICATOR DRIVER)



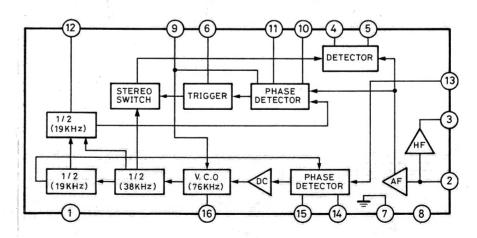
IC151 LA1245 (AM TUNER SYSTEM)



IC201 LA1232 (IF SYSTEM)



IC301 BA1332 (FM PLL-MPX STEREO DEMODULATOR)



SANYO ELECTRIC TRADING CO., LTD. 33, Hiyoshi-cho, 2-chome, Mori guchi-shi, Osaka-fu, 570 Japan Aug./'84/2200 NS Printed in Japan.